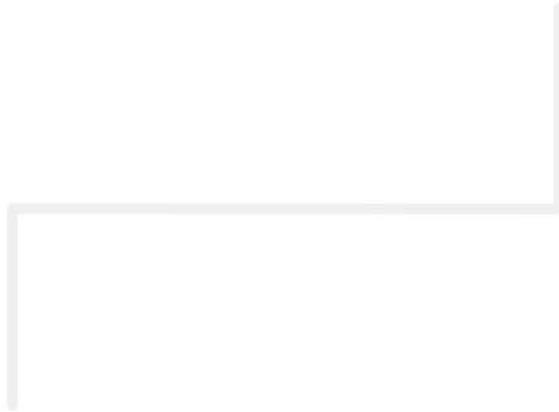


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Evaluating IT Infrastructure Uncovers Opportunities

Culpepper & Terpening called in Davenport Group to evaluate the state of their IT environment. Together, we discovered new infrastructure opportunities to support their future projects.

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Going the Extra Mile

Culpepper & Terpening (C&T) have a long history of quantifying the risks in trying something bold and striking out in a new direction. Located in southeast Florida, C&T is an engineering and land surveying firm with over 45 full-time employees, including professionals, technicians, and support staff. For more than 40 years, their focus on efficiency and innovation has added value in ways that allow their customers to prosper.

C&T recognizes this and through organization and self-sufficiency, they are committed to providing quality service to clients involved in resource, infrastructure, environment, and land development projects. Culpepper & Terpening works to keep pace with the land advances in design and technology; having been granted award winning projects for multiple municipal and commercial facilities. With such strong examples of success, it may seem like playing it safe with IT infrastructure is the best thing to do. But many mid-market companies find that approach eventually hinders them from getting ahead and remaining focused on important principles. C & T found themselves in this position, and decided they needed to go the extra step with their IT infrastructure.



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What Does It Take?

Looking into support and upgrading an IT ecosystem as needed is vital to staying ahead of the curve. C&T looked for where their needs were and worked to respond. Joining alongside C&T was Davenport Group, who shared in this journey.

“We investigated the history and current state of their IT environment and saw the rate of growth in data over time,” says Davenport Group Systems Engineer Mark Palen. “We checked the IOPS to see if the system appeared to be slowing down or struggling. We also asked the customer about future growth and future projects to see what their needs would be in the coming year.

“We worked together to make necessary updates to the system. This process took teamwork and collaboration because of software changes to the management software. Once this was complete, I worked with CoPilot to see what version of firmware could be used to add the new disks to the system.”



C&T took the risk to evaluate the reasons why their IT infrastructure was slow in order to make changes that everyone agreed needed to be made. Working with Davenport Group, C&T decided the current infrastructure couldn't reach the customers to anticipate and build new business.

Extra Support

Fixing areas where negative experiences may arise involves a collaborative culture, with an eye on the budget. Culpepper & Terpening worked with Davenport Group to do both. Davenport Group engineers assisted in retraining current staff remotely and reviewed any questions they may have to make them better prepared going forward.

"We were implementing an expansion enclosure to their SAN to add more space," says Mark. "They were getting tight on space in the system and wanted planning for growth. Through many discussions with their IT staff, we chose to add drives to the system while making sure to stick to their budget."



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Growing IT Infrastructure Grows Innovation

C&T has provided survey, mapping, engineering design, and construction inspection services throughout Florida, with qualified inspectors and field assessors providing their clients with the services they need. From roads and airports, to utility and power supply facilities, to transportation and storm water control systems, to site development and design, C&T has helped shape the growth of the region.

They have pioneered solutions to some of Florida's most unique engineering challenges for both public and private clients. As the region has grown, so has their organization to comprise disciplines necessary to further facilitate infrastructure needs in their community: transportation, utilities, schools, land development, and surveying. Updating and growing their IT ecosystem means they can continue to innovate and design the answers to Florida's infrastructure questions.

How Culpepper & Terpening's IT Department Runs Smoothly:

- Define what is no longer working.
- Explore how to integrate and boost efficiency.
- Build solutions that fit needs and budget.
- Be open to unexpected opportunities.
- Have quarterly discussions surrounding the hardware and environments' state and performance.
- Understand why recommendations of change and updates are needed.
- Additional training with Davenport Group engineers to understand how to full work the CML array in environment.

